

## II. Remarks

Reconsideration and allowance of the subject application are respectfully requested.

Claims 1-21 are pending in the application. Claims 1, 12, 15, 18, 19, 20, and 21 are independent.

Applicants confirm the election of Claims 1-21, with traverse. Traversal is on the ground that a search of the art for one group of claims will necessarily include a search of the art relevant to the non-elected claims. Accordingly, it is believed that the burden on the Examiner to search all sets of claims is less than the burden on the Applicants/public to prosecute/search more than one application/patent.

The claims 2-11, 13, 14, 16, and 17 have been amended to correct the claim dependencies.

Claims 19-20 were rejected under 35 USC § 112, second paragraph, for the reasons noted at pages 3-4 of the Office Action. Applicants respectfully traverse this rejection on the ground that the person of ordinary skill in the art would not be confused as to the meaning or scope of the claims. Nevertheless, these claims have been amended for clarity with respect to the specification and Drawings, and not in response to any statutory requirement.

Claims 1, 12, 15, and 18-21 were rejected under the judicially created doctrine of obviousness-type double patenting as being unpatentable over Claims 1-26 and 30-40 of U.S. Patent No. 6,737,007, for the reasons discussed on pages 4 and 5 of the Office Action. Applicants respectfully traverse this rejection on the ground that the pending claims are patentably distinct from those of the '007 Patent. Nevertheless, in order to rapidly advance this case to issue, attached herewith is a Terminal Disclaimer with respect to the '007 Patent.

Claims 1, 12, 15, 18 and 21 were rejected as being unpatentable over JP '485 and Martin, for the reasons discussed on page 5 of the Office Action. Applicants respectfully traverse all art rejections.

JP '485 discloses a blow mold for the blow-molding of an extrusion molded parison, the blow mold comprising a heating chamber, a cooling chamber, and a vacuum chamber that are formed from a porous material. A cavity surface formed within the vacuum chamber provides for the shaping of a finished molded product by the blowing of the preform therein, the porous structure providing for an evacuation of any residual air between the blown parison and a cavity surface. The high heat transfer area provided by the porous structures of the heating and cooling chambers provides for improved temperature uniformity along the molding surface for blow-molding high precision products with no residual stress.

Notably, the outside surface of the parison is caused to move into contact with the inside surface of the porous material not by a low pressure differential through the porous material, but by high pressure air blown into the interior of the parison.

Likewise, Martin also discloses a blow mold, for the blow-molding of an extrusion molded parison, with a structure comprising a pair of porous mold sections. A cavity surface formed between the porous mold sections provides for the shaping of a finished molded product by the blowing of the preform therein. In addition, each mold section also includes a vacuum structure for sucking the air out of the molding cavity, whereby air between the parison and the blow mold may be sucked out so as not to retard the expansion of the parison as it is being blown from within.

Again, the outside surface of the parison is caused move into contact with the inside surface of the porous material not by a low pressure differential through the porous material, but by high pressure air blown into the interior of the parison.

Accordingly, both JP '485 and Martin disclose blow molds that are configured to reshape the preform by blow-molding, and disclose a porous mold structure which is provided to avoid air entrapment between the blow molded article and the molding cavity. However, the movement of the article into contact with the mold walls is performed by high pressure air blown into the interior of the molded article.

In contrast to the blow molds of JP '485 and Martin, the present invention provides for apparatus in which:

(Claim 1) ... the porous member is configured to cooperate with the vacuum structure to provide a reduced pressure adjacent the inside surface of the porous member **to cause the portion of the outside surface of the malleable molded plastic article to contact the inside surface of the porous member** so as to cause a conductive cooling of the outside surface of the malleable article;

(Claim 12) ... the porous member is configured such that the just-injection-molded semi-molten article **is moved substantially against the internal surface by a pressure differential between the [porous member] external surface and the [porous member] internal surface;**

(Claim 15) ... the porous inside surface and the porous outside surface being configured to provide a pressure differential therebetween **to cause a nonsolid molded plastic article within the porous member to contact at least a portion of the porous member inside surface;**

(Claim 18) ... the evacuation of air therethrough [the porous member] **to cause a malleable molded article within the at least one porous member to expand to contact the porous inside surface; and**

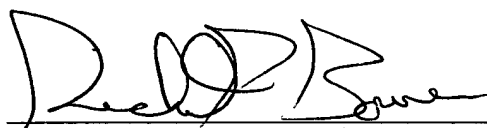
(Claim 21) ... the evacuation of air therethrough  
[the porous member] **to cause a non-solid molded plastic  
article within the at least one porous member to expand and  
contact the at least one porous member inside surface.**

Accordingly, the salient claimed features of the  
present invention are nowhere disclosed by the cited art,  
whether that art is taken individually or in combination.

In view of the above amendments and remarks, it is  
believed that this application is now in condition for  
allowance, and a Notice thereof is respectfully requested.

Applicants' undersigned attorney may be reached in  
our Washington, D.C. office by telephone at (202) 625-3507.  
All correspondence should continue to be directed to our  
address given below.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "Richard P. Bauer", written over a horizontal line.

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any terminal disclaimer, except for the separation of legal title stated above.

The evidentiary documents referred to in the instant Terminal Disclaimer have been reviewed by the undersigned, and it is certified that to the best of assignee's knowledge and belief, title is in the assignee.

The undersigned is empowered to act on behalf of the assignee.

The Commissioner is hereby authorized to charge Deposit Account No. 50-1710 for the fee for submission of this Terminal Disclaimer. A copy of this paper is attached herewith for that purpose.

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